



# Aviation Investigation Final Report

<b>Location:</b>	MCGREGOR, Texas	<b>Accident Number:</b>	FTW93LA029
<b>Date &amp; Time:</b>	November 2, 1992, 11:00 Local	<b>Registration:</b>	N91930
<b>Aircraft:</b>	PIPER J3C-65	<b>Aircraft Damage:</b>	Substantial
<b>Defining Event:</b>		<b>Injuries:</b>	1 None
<b>Flight Conducted Under:</b>	Part 91: General aviation - Instructional		

## Analysis

THE AIRPLANE WEATHERVANED INTO THE WIND DURING THE LANDING ROLL FOLLOWING A DOWNWIND LANDING. THE STUDENT PILOT ADDED POWER TO ABORT THE LANDING. DURING THE INITIAL CLIMB THE AIRPLANE WAS HEADED TOWARD A POWERLINE AND THE PILOT TURNED TO THE RIGHT. THERE WAS INSUFFICIENT AIRSPEED TO SUSTAIN FLIGHT DURING THE TURN AND THE RIGHT WING IMPACTED THE GROUND. THE AIRPLANE CAME TO REST IN AN INVERTED POSITION. THE PILOT REPORTED THE WINDS FROM 240 DEGREES AT 25 KNOTS GUSTING TO 35 KNOTS.

## Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: INADVERTENT STALL BY THE PILOT IN COMMAND. FACTORS WERE THE PILOT'S SELECTION OF THE WRONG RUNWAY, AND THE WIND CONDITIONS.

## Findings

Occurrence #1: LOSS OF CONTROL - ON GROUND/WATER  
Phase of Operation: LANDING - ROLL

### Findings

1. (F) WEATHER CONDITION - TAILWIND
2. (F) WEATHER CONDITION - CROSSWIND
3. (F) WRONG RUNWAY - SELECTED - PILOT IN COMMAND
4. GROUND LOOP/SWERVE - INADVERTENT - PILOT IN COMMAND

5. ABORTED TAKEOFF - PERFORMED - PILOT IN COMMAND

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Occurrence #2: LOSS OF CONTROL - IN FLIGHT  
Phase of Operation: TAKEOFF - INITIAL CLIMB

Findings

6. (C) STALL - INADVERTENT - PILOT IN COMMAND

## Factual Information

### Pilot Information

<b>Certificate:</b>	Student	<b>Age:</b>	47,Female
<b>Airplane Rating(s):</b>	None	<b>Seat Occupied:</b>	Center
<b>Other Aircraft Rating(s):</b>	None	<b>Restraint Used:</b>	
<b>Instrument Rating(s):</b>	None	<b>Second Pilot Present:</b>	No
<b>Instructor Rating(s):</b>	None	<b>Toxicology Performed:</b>	No
<b>Medical Certification:</b>	Class 3 Valid Medical-w/ waivers/lim	<b>Last FAA Medical Exam:</b>	August 8, 1992
<b>Occupational Pilot:</b>	UNK	<b>Last Flight Review or Equivalent:</b>	
<b>Flight Time:</b>	43 hours (Total, all aircraft), 43 hours (Total, this make and model), 21 hours (Pilot In Command, all aircraft), 22 hours (Last 90 days, all aircraft), 12 hours (Last 30 days, all aircraft), 1 hours (Last 24 hours, all aircraft)		

### Aircraft and Owner/Operator Information

<b>Aircraft Make:</b>	PIPER	<b>Registration:</b>	N91930
<b>Model/Series:</b>	J3C-65 J3C-65	<b>Aircraft Category:</b>	Airplane
<b>Year of Manufacture:</b>		<b>Amateur Built:</b>	
<b>Airworthiness Certificate:</b>	Normal	<b>Serial Number:</b>	16345
<b>Landing Gear Type:</b>	Tailwheel	<b>Seats:</b>	2
<b>Date/Type of Last Inspection:</b>	April 22, 1992 Annual	<b>Certified Max Gross Wt.:</b>	1220 lbs
<b>Time Since Last Inspection:</b>	113 Hrs	<b>Engines:</b>	1 Reciprocating
<b>Airframe Total Time:</b>	6763 Hrs	<b>Engine Manufacturer:</b>	CONTINENTAL
<b>ELT:</b>	Not installed	<b>Engine Model/Series:</b>	A-65-8
<b>Registered Owner:</b>	ROBINSON, JAMES R.	<b>Rated Power:</b>	65 Horsepower
<b>Operator:</b>	ROBINSON, JAMES R.	<b>Operating Certificate(s) Held:</b>	None
<b>Operator Does Business As:</b>		<b>Operator Designator Code:</b>	

## Meteorological Information and Flight Plan

<b>Conditions at Accident Site:</b>	Visual (VMC)	<b>Condition of Light:</b>	Day
<b>Observation Facility, Elevation:</b>	ACT ,516 ft msl	<b>Distance from Accident Site:</b>	10 Nautical Miles
<b>Observation Time:</b>	10:50 Local	<b>Direction from Accident Site:</b>	350°
<b>Lowest Cloud Condition:</b>	Clear	<b>Visibility</b>	15 miles
<b>Lowest Ceiling:</b>	None	<b>Visibility (RVR):</b>	
<b>Wind Speed/Gusts:</b>	25 knots / 20 knots	<b>Turbulence Type Forecast/Actual:</b>	/
<b>Wind Direction:</b>	240°	<b>Turbulence Severity Forecast/Actual:</b>	/
<b>Altimeter Setting:</b>	29 inches Hg	<b>Temperature/Dew Point:</b>	22°C / 6°C
<b>Precipitation and Obscuration:</b>	No Obscuration; No Precipitation		
<b>Departure Point:</b>	GRANBURY , TX (OTXO)	<b>Type of Flight Plan Filed:</b>	None
<b>Destination:</b>		<b>Type of Clearance:</b>	None
<b>Departure Time:</b>	10:00 Local	<b>Type of Airspace:</b>	Class G

## Airport Information

<b>Airport:</b>	MCGREGOR MUNICIPAL F60	<b>Runway Surface Type:</b>	Asphalt
<b>Airport Elevation:</b>	590 ft msl	<b>Runway Surface Condition:</b>	Dry
<b>Runway Used:</b>	35	<b>IFR Approach:</b>	
<b>Runway Length/Width:</b>	5499 ft / 75 ft	<b>VFR Approach/Landing:</b>	

## Wreckage and Impact Information

<b>Crew Injuries:</b>	1 None	<b>Aircraft Damage:</b>	Substantial
<b>Passenger Injuries:</b>		<b>Aircraft Fire:</b>	None
<b>Ground Injuries:</b>	N/A	<b>Aircraft Explosion:</b>	None
<b>Total Injuries:</b>	1 None	<b>Latitude, Longitude:</b>	31.450519,-97.370033(est)

## Administrative Information

<b>Investigator In Charge (IIC):</b>	Smith, Joyce
<b>Additional Participating Persons:</b>	LARRY WILKINSON; FORT WORTH , TX
<b>Original Publish Date:</b>	September 14, 1993
<b>Last Revision Date:</b>	
<b>Investigation Class:</b>	<a href="#">Class</a>
<b>Note:</b>	
<b>Investigation Docket:</b>	<a href="https://data.nts.gov/Docket?ProjectID=18611">https://data.nts.gov/Docket?ProjectID=18611</a>

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